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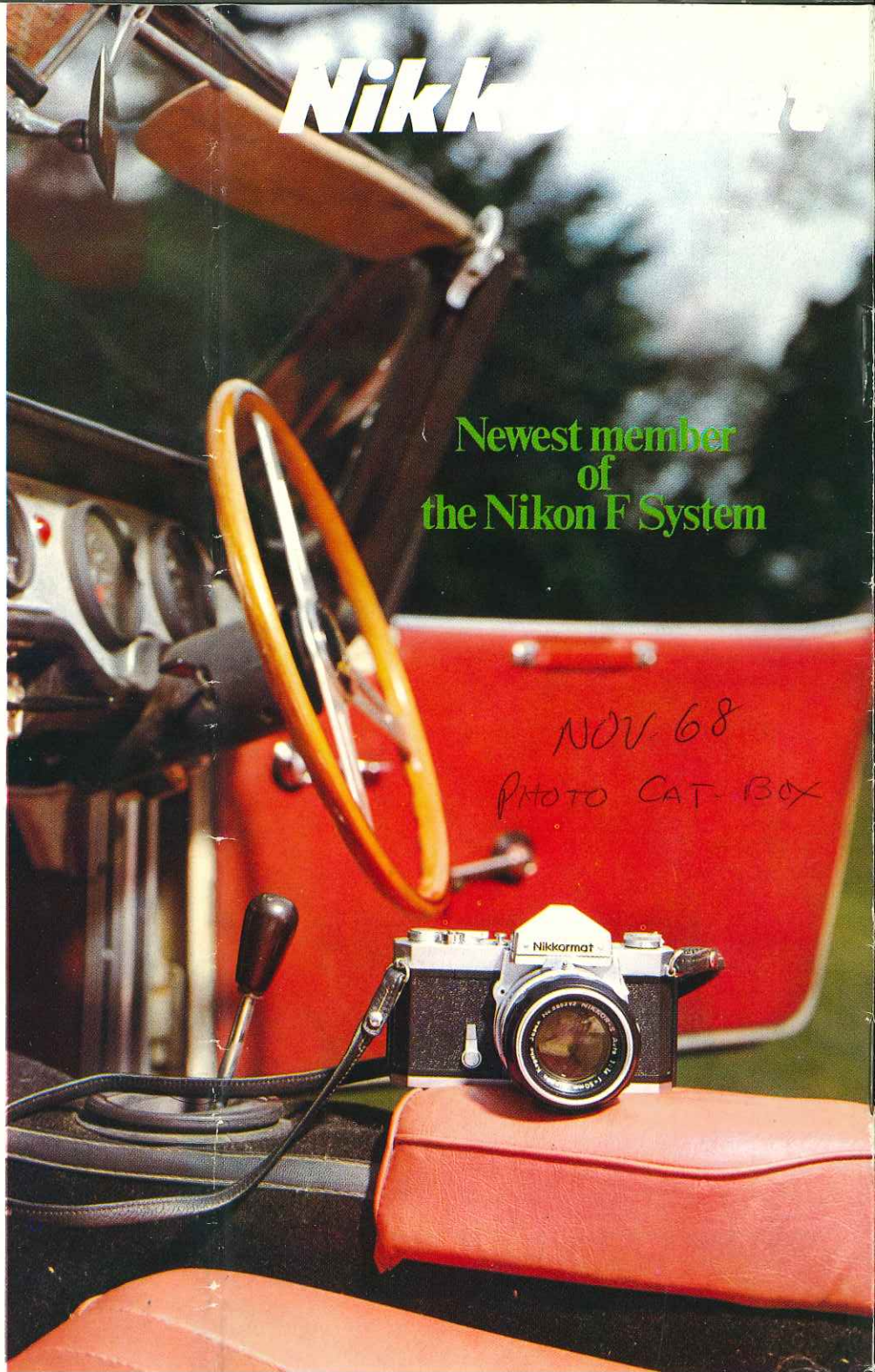
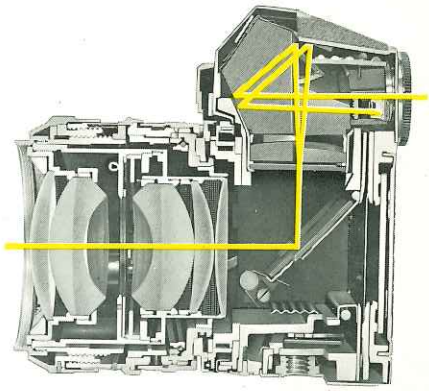


Nikon Inc.
Garden City, New York 11530:Subsidiary of
Ehrenreich Photo-Optical Industries, Inc.

Printed in Japan

NIKKORMAT FTN brings fine photography within reach of every 35mm enthusiast



Nikon designed and built every facility and every modern convenience into the Nikkormat FTN to make your picture-taking easy, enjoyable and rewarding. Yet, with all its unique advantages and its Nikon heritage, this fine single lens reflex fits well within even modest budgets.

As you put the Nikkormat through its paces, you sense its instant, precise responsiveness. There are no needless operations to distract your attention or slow you down. You shoot with confidence in your ability to capture the picture—any picture—no matter what the subject or light condition.

For the Nikkormat FTN is not only as fine a camera as Nikon can make, it is also as automatic as you'd want a fine camera to be. It has the most advanced thru-the-lens meter system yet designed, to give you correct exposure in any picture situation. Linked with the performance of famous Nikkor lenses, the FTN meter system provides a simple and effective approach to ultimate picture quality. And this is only one of the many automatic conveniences you enjoy with this modern single lens reflex.

Moreover, the Nikkormat accepts the same interchangeable Nikkor lenses as the Nikon F, and many of the same accessories. The resources of this incomparable 35mm system extend the capabilities of the Nikkormat to virtually any photographic application.

INSIDE THE NIKKORMAT FTN a foolproof system for thru-the-lens exposure control

One might think any meter system located behind the lens would end any and all exposure problems. But it isn't as simple as that.

Most thru-the-lens meters read the average brightness of the entire scene as it appears on the finder screen. While satisfactory for many "normal" picture situations, they often require exposure allowances, as with backlighted subjects and for scenes where the central subject is markedly brighter or darker than the surrounding area. Also, they do not allow for the natural brightness falloff towards the screen edges which occurs especially with wideangle lenses.

So-called "spot meter" systems, which measure only a small area to the exclusion of everything else in the scene, introduce other problems. Their use demands expert skill, since selecting the wrong measuring area will inevitably produce the wrong exposure.

The "center-weighted" FTN meter system

The Nikkormat FTN system, on the other hand, is virtually foolproof. It uses two sensitive CdS cells, each behind an optical system comprising an aspheric lens and a diaphragm, which scan the entire viewing screen. But, about 60% of its sensitivity is concentrated on a circular 12mm diameter area in the center of the screen which is clearly outlined in the finder.

From this central area outward, the response of the meter diminishes rapidly. Therefore, natural brightness falloff and scene brightness differences have little or no effect on exposure accuracy, nor does the camera position — whether horizontal or vertical.

In effect, the FTN system is almost completely self-compensating. You can rely on it for consistently correct exposures, under any light conditions, and with any lens.

Correct exposure setting with one easy step

Looking through the FTN finder, you see the meter needle and alignment bracket. Simply turn the lens aperture ring or shift the shutter speed selector until the needle is centered in the bracket, and you're set for correct exposure. No extra operations to slow you down.

No finder dim-out

The FTN meter system lets you enjoy the full advantage of the automatic diaphragm action of Auto-Nikkor lenses. The lens remains wide open even while you set the camera for correct exposure, so the finder image is always at its brightest. But you can also take exposure readings with the lens stopped down, when extension tubes or bellows are placed between camera and lens, and with non-automatic lenses.

Finder shows exposure information

With the Nikkormat FTN you never lose sight of your picture while you're getting ready to shoot. The finder shows not only the meter needle and bracket, but also plus (+) and minus (—) markers which signal over- or under-exposure. The "weighted" measuring area is clearly outlined and can be aimed precisely at the desired subject area. Visible below the picture are three shutter speeds: that for which the camera is set, in the center, and adjacent faster and slower speeds. The meter needle also appears in a window on top of the camera body.

Automatic lens/ASA indexing

Once you've set the FTN meter system for the ASA rating of your film (ASA 12 to 1600), you need not reset it when changing to another Auto-Nikkor lens. The FTN "auto-lens indexing" feature does it for you. After mounting the new automatic lens, you simply rotate the diaphragm ring to minimum and maximum apertures. This automatically programs the meter system for the new lens.

Meter switch built into film lever

Swinging the lever into "advance" position turns the meter on. Returning it to recessed position turns the meter off Again, no additional operation to fuss with, nor can you forget to turn the meter off.

NIKKORMAT FEATURES HELP YOU ENJOY SINGLE

EYE-LEVEL PRISM FINDER SYSTEM: The Nikkormat FTN finder gives you complete visual command of the picture situation. You can actually focus, compose and set correct exposure without once taking your eye from the eyepiece.

You see the subject just as the lens "sees" it, and as it will appear on the film. You observe the entire field with comfort and ease, even if you wear glasses. And because the Nikkormat finder system uses an extra fine fresnel/microprism screen, you enjoy exceptional edge-to-edge image brightness and focusing accuracy, even in poor light.

Furthermore, the finder also houses the FTN meter system. And you see the indicator needle at all times while viewing. You can tell at a glance when shutter and diaphragm are set for correct exposure.

The finder eyepiece accepts diopter-correcting lenses and the accessory right-angle viewfinder.

AUTOMATIC REOPEN DIAPHRAGM: Your Nikkormat finder image never dims. While you focus, frame your picture and preselect the correct exposure setting, using the built-in meter system, the Auto-Nikkor lens remains wide open. It stops down only when you release the shutter, then instantly reopens — automatically.

AUTOMATIC RETURN MIRROR: The mirror automatically returns to the viewing position immediately after the shutter closes. This mirror action is synchronized with the automatic diaphragm to keep your subject visible in the finder with undiminished brilliance, before and after exposure.

DEPTH-OF-FIELD PREVIEW: By pressing the preview button, you can observe depth-of-field at the selected 'taking' aperture, or you can select your aperture on the basis of depth-of-field. When the button is released, the diaphragm instantly reopens.

A Depth-of-field previewer
B Rapid-advance lever
C Auto-reset exposure counter
D Shutter release
E Shutter speed indicator
F Variable self-timer
G Meter window
H Rapid film rewind
I Meter coupling pin
J Mirror lock-up
K "Auto-indexing" aperture indicator
L Lens release button

LENS REFLEX PHOTOGRAPHY AT ITS BEST

INDEPENDENT MIRROR CONTROL: Raises the Nikkormat mirror and locks it in 'up' position for exposures requiring an absolute minimum of vibration, as in photomicrography or astrophotography. You can release the mirror for conventional use without firing the shutter.

EXTRA-QUIET FOCAL PLANE SHUTTER: This newly developed, all-metal, 6-bladed shutter works so quietly, it won't distract you or your subject. It offers accurate speeds from 1 second to 1/1000th, and B.

FULL FLASH SYNCHRONIZATION: The Nikkormat shutter is synchronized for electronic flash at 1/125th second. This high shutter speed prevents "ghost" or secondary images that may occur at slower speeds under high prevailing light conditions. M-type flashbulbs can be used at any speed, up to 1/1000th second. Standard PC flash terminals are color-coded for M and X synch.

SINGLE-STROKE TRANSPORT LEVER: One flip of your thumb advances the film, cocks the shutter, registers the exposure, and also turns the exposure meter system 'on'. Returning the lever to fully recessed position turns the meter 'off'.

RAPID REWIND CRANK: Unfolds for fast, easy rewinding of exposed film. Folds flush against the Nikkormat FTN body when not in use.

AUTO-RESET EXPOSURE COUNTER: Automatically returns to "0" when camera back is opened. Shows frame numbers magnified for easy reference even in dim light.

Nikkormat FS

If you prefer to determine exposure by separate means, choose the Nikkormat FS. It is identical to the FTN, but without the built-in meter system and independent mirror control. And it accepts the same Nikkor lenses, except the 7.5mm, and the same Nikon F accessories.

- **M** Flash terminals
- **N** Finder eyepiece
- **O** Meter battery compartment
- **P** ASA film scale
- **Q** Tripod socket
- **R** Rewind release button
- **S** All-metal focal plane shutter
- **T** Take-up spool

INTERCHANGEABLE NIKKOR LE

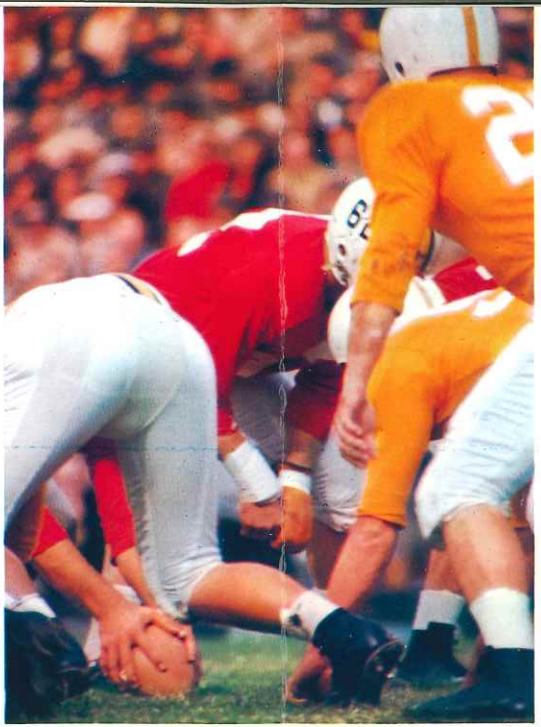
One of the most desirable features in any camera is its ability to accept interchangeable lenses. It is of even greater significance in the Nikkormat, for this camera is designed for use with Nikkor lenses, the finest in 35mm photography.

Unless you have used a Nikkor lens—normal, wideangle, telephoto or special purpose—you can't expect to

NSES FOR THE NIKKORMAT FTN

know the picture quality available to you. Your first experience will prove a revelation.

The Nikkormat accepts more than 30 interchangeable Nikkor lenses, the very same lenses used with the Nikon F. The complement ranges from 7.5mm super wideangle to 1200mm super telephoto and includes the most advanced photographic optics yet designed.



NIKKOR WIDEANGLE LENSES

The creative photographer uses wide-angle lenses not only to take in a larger picture area when shooting in confined quarters. He takes advantage of their great depth-of-field for dramatic compositions in which foreground and background are equally sharp, and to create unusual, exaggerated perspective effects. The combination of extreme depth-of-field and wide picture angle also makes these lenses ideal for situations where there is no time for critical focusing or careful composition.

NIKKOR NORMAL LENSES

Pictures taken with these lenses show subjects in substantially the same proportions as seen by the eye. They are an excellent choice for the majority of picture situations and, therefore, the most widely used of all lenses. The high speed of normal Nikkor lenses also offers important advantages with relatively slow color films and for available light photography.

NIKKOR TELEPHOTO LENSES

Just as binoculars give you an enlarged closeup view, telephoto lenses give you an enlarged image of your subject. The longer the lens focal length, the greater its magnification compared to the normal lens. Because the depth-of-field of tele lenses is very shallow, they enable you to throw distracting backgrounds out of focus, thus highlighting the subject.

Intermediate focal length Nikkors, from 85mm to 200mm, are most popular for portraiture, sports, travel and general telephotography, and can often be used hand-held. The longer lenses extend the use of the Nikkormat to nature, wildlife and long-distance work.

REFLEX-NIKKOR LENSES

Imagine a 1000mm lens only 8½" long and weighing barely

NIKKOR WIDEANGLE LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
20mm f/3.5	automatic*	f/22	94°	12" (0.3m)	72mm	screw-in	L
24mm f/2.8	automatic*	f/16	84°	12" (0.3m)	52mm	screw-in	Ⓟ L
28mm f/3.5	automatic*	f/16	74°	24" (0.6m)	52mm	screw-in	Ⓟ L
35mm f/2	automatic*	f/16	62°	12" (0.3m)	52mm	screw-in	Ⓟ L
35mm f/2.8	automatic*	f/16	62°	12" (0.3m)	52mm	screw-in	Ⓟ L

NIKKOR NORMAL LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
50mm f/1.4	automatic*	f/16	46°	24" (0.6m)	52mm	screw-in snap-on	P L
50mm f/2	automatic*	f/16	46°	24" (0.6m)	52mm	screw-in snap-on	P L
55mm f/1.2	automatic*	f/16	43°	24" (0.6m)	52mm	snap-on	P L

NIKKOR TELEPHOTO LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
85mm f/1.8	automatic*	f/22	28°30′	3.5′ (1m)	52mm	screw-in	Ⓟ L
105mm f/2.5	automatic*	f/22	23°20′	4′ (1.2m)	52mm	○ screw-in snap-on	Ⓟ L
135mm f/2.8	automatic*	f/22	18°	5′ (1.5m)	52mm	○ built-in	Ⓟ L
135mm f/3.5	automatic*	f/22	18°	5′ (1.5m)	52mm	○ screw-in snap-on	Ⓟ L
200mm f/4	automatic*	f/22	12°20′	10′ (3m)	52mm	○ built-in	Ⓛ
300mm f/4.5	automatic*	f/22	8°10′	13′ (4m)	72mm	○ built-in	Ⓛ
400mm f/4.5	automatic†	f/22	6°	16′ (5m)	122mm	○ built-in	W
600mm f/5.6	automatic†	f/22	4°	35′ (11m)	122mm	○ built-in	W
800mm f/8	manual †	f/64	3°	60′ (18m)	122mm	○ built-in	W
1200mm f/11	manual †	f/64	2°	130′ (40m)	122mm	○ built-in	W
500mm f/5 Reflex	–	f/10	5°	50′ (15m)	39mm	○ screw-in	Ⓛ
1000mm f/11 Reflex	–	f/11	2°30′	25′ (8m)	built-in	○ slip-on	Ⓛ

4 pounds, a 500mm lens even smaller and lighter! The mirror-lens design of Reflex Nikkor lenses makes it possible. Despite their tremendous magnification, you can actually hand-hold these super telephotos.

NIKKOR ZOOM LENSES

Zoom lenses, with their continuously variable focal lengths, provide the advantages of lens interchangeability without the need to interchange lenses. With one lens, and from one shooting position, you command a wide range of picture angles and magnifications. Once focused, each Nikkor Zoom remains in sharp focus throughout its zoom range. All except the 50-300mm lens offer one-ring control: twist to focus, push-pull to zoom.

SPECIAL NIKKOR LENSES

7.5mm f/5.6 Fish-eye-Nikkor: A singular optical achievement, this lens "sees" a full 180° hemisphere – everything in front, above, below and to all sides. In addition to such scientific applications as meteorology, the Fish-eye-Nikkor is used in industry for shooting interiors of oil lines and other constricted enclosures, and in commercial and advertising photography.

35mm f/2.8 PC-Nikkor: The PC-Nikkor brings view-camera versatility to 35mm photography by providing rising, falling and lateral front shifts. It enables you to shoot tall buildings, for example, without tilting the camera and causing convergence of parallel lines in the picture which makes the structure appear to lean back.

55mm f/3.5 Micro Auto Nikkor: This unique lens not only offers almost incredible resolving power but also serves for extreme closeups as well as normal photography. It provides continuous, uninterrupted focusing from infinity to 1:2 reproduction. The M-ring supplied with it adds a further range from 1:2 to 1:1.

200mm f/5.6 Medical Auto Nikkor: Makes closeup photography a simple, almost automatic procedure. The lens has its own built-in electronic ring flash and viewing lights, automatically sets its own aperture and imprints identification number or magnification ratio on each frame. Used in conjunction with supplementary lens attachments, the Medical Auto Nikkor provides magnifications from 1/15th to 3X life size.

NIKKOR ZOOM LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
43mm-86mm f/3.5 Zoom	automatic*	f/22	53°to 28°30′	4′ (1.2m)	52mm	screw-in	Ⓟ L
50mm-300mm f/4.5 Zoom	automatic*	f/22	46° to 8°10′	8.5′ (2.5m)	95mm	screw-in	L
85mm f/4-250mm f/4.5 Zoom	automatic*	f/16	28°30′ to 10°	13′ (4m)	series 9	screw-in	L
200mm f/9.5-600mm f/10.5 Zoom	automatic	f/32	12°20′ to 4°10′	13′ (4m)	series 9	screw-in	W

Notes on lens chart

* . . . Couples to meter.
\+ . . . Supplementary viewfinder necessary.
† . . . Focusing Unit necessary.
o . . . Lens hood supplied with corresponding lens.
P . . . Plastic case supplied on order.
Ⓟ . . . Plastic case supplied as standard equipment to lens.
L . . . Leather case supplied on order.

SPECIAL NIKKOR LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
7.5mm f/5.6 Fish-eye	manual +	f/22	180°	fixed focus	built-in	–	Ⓛ
35mm f/2.8 PC	pre-set	f/32	62°	12″ (0.3m)	52mm	screw-in	Ⓛ
55mm f/3.5 Micro	automatic*	f/32	43°	0.79′ (0.241m)	52mm	–	Ⓟ L
200mm f/5.6 Medical	automatic	f/45	12°20′	3:1	–	–	Ⓛ

Ⓛ . . . Leather case supplied as standard equipment to lens.
W . . Wooden case supplied on order.
Case will not be supplied when purchasing a lens attached to the camera body.

Abbreviations used in lens chart

Min. Aper . . . . Minimum Aperture
Pic. Angle . . . . Picture Angle
Cl. Focus . . . . Closest Focus (Dual calibration)

MOVE IN CLOSE WITH YOUR NIKKORMAT FTN

The simple attachment of a closeup accessory to the Nikkormat adds a fascinating dimension to your picture taking. A tiny flower or insect or everyday object produces dramatic impact when projected on your screen a hundred times larger than life. And there is hardly an area in science, technology and education where closeups and macrophotography do not play an indispensable role. The Nikon system provides a wide variety of easy-to-use accessories for these applications.

As one of the world's leading makers of precision microscopes, Nikon also offers a complete line of equipment for professional photomicrography with the Nikkormat.

Auxiliary Closeup Lenses: Attachable to all Nikkor lenses with 52mm front thread as simplest means for adapting the Nikkormat for copying and closeup work. Available in three powers: No. 0, 1 and 2, which may be used singly or in combination.

Extension Tube E2: Fits between camera body and lens, adding an extension of 14mm. Accepts any current Nikkor lens from 24mm up except 135mm f/4. Built-in plunger permits full-aperture viewing with Auto-Nikkor lenses preset to taking aperture. Two or three E2 tubes may be combined for greater magnification.

Extension Tube Set K: Low-cost system for closeups with most Nikkor lenses from 24mm to 300mm. Comprises five tubes used in various combinations and placed between camera and lens. Reproduction with 50mm f/2 lens and full tube set ranges from 1:8.9 to 1:1.

Bellows Focusing Attachments: Models 2 (dual track) and 3 (single track) fit between camera and lens and permit continuous variation of lens-to-film distance. Provide wide range of reproduction ratios, to greater than 1:1. Can be used with most lenses and combined with extension tubes for added magnification.

135mm f/4 Bellows-Nikkor: Specially designed for use with Bellows Attachments. When used with Model 2 Bellows, provides continuous focus from infinity to 1:1 reproduction.

BR-2 Macro Adapter Ring: Permits any lens with 52mm front thread to be mounted in reverse position on either bellows for best optical performance of lens at magnifications greater than 1:1.

Slide Copying Adapter: Attaches to Model 2 Bellows for duplicating 35mm transparencies. Sections of transparencies can be enlarged to full 35mm format by adding BR-2 and BR-3 Adapters.

Repro-Copy Outfit: Sturdy, versatile copying stand facilitates copying of documents, maps etc. as well as closeups and macrophotography of small objects. Comprises upright column, sliding arm, camera bracket and baseboard.

ACCESSORIES THAT FURTHER EXTEND THE VERSATILITY OF THE NIKKORMAT FTN

Accessory Shoe: Mounts on top of viewfinder housing and accepts flash unit or special optical finders.

Right-Angle Finder: Permits waistlevel or overhead viewing and focusing. Especially convenient for closeup, macro and microphotography. Shows image right side up and adjusts for individual eyesight.

Eyepiece Correction Lenses: Enable eyeglass wearers to use the Nikkormat with glasses removed. Available in 8 diopter powers, from −5 to +3.

Rubber Eye Cup: Keeps out extraneous light and facilitates viewing by eyeglass wearers. Can be used with or without correction lenses.

Nikon BC-7 Flash Unit: Ultra compact, with fan-fold reflector and change-over socket for bayonet base, M2/M5 and AG-1 bulbs. Click-stop swivel permits bounce-flash effects. Fits onto Accessory Shoe.

Optical Glass Filters: Made from finest solid optical glass, polished to plano-parallel flatness and coated on both sides. Selector chart on this page shows wide choice available.

Eveready Camera Cases: Choose either of two rigid leather cases in brown or the semi-soft case in black to fit various camera and lens combinations.

Fitted Compartment Cases: Available in three sizes and styles to accommodate a wide variety of Nikkormat camera outfits, including lenses and accessories. Made from top-quality cowhide.

Other Nikon accessories for the Nikkormat include the Pistol Grip Model 2, Cable Release, Camera Neckstrap, Panorama Head for accurate panoramic pictures covering up to 360°, Lens Hoods, Rear Lens Caps, Camera Body Cap and Lens Cases in leather, clear plastic and wood.

For further details on the various accessories and attachments mentioned in this brochure, please refer to the Nikon F System Catalog.

NIKKOR FILTERS

Type		Screw-In					Series
Color \ Size		34.5 mm	52 mm	72 mm	95 mm	122 mm	9
Skylight			●	●			
UV Haze		●	●	●	●	●	●
Yellow	Light	●	●				●
	Medium	●	●	●	●	●	●
	Dark	●	●				●
Orange		●	●	●	●	●	●
Red		●	●	●	●	●	●
Yellowish Green	Light	●	●				
	Dark	●	●				
Polarizing			●				
Neutral Density	ND 4X	●	●				
	ND 8X	●	●				
	ND 10X	●					
	ND 400X	●					
Amber	Light		●				
	Dark	●	●				
Blue	Light		●				
	Medium		●				
	Dark		●				

7.5mm f/5.6 Fish-eye and 1000mm f/11 Reflex have built-in filters. Filters for 500mm f/5 Reflex are supplied with lens.

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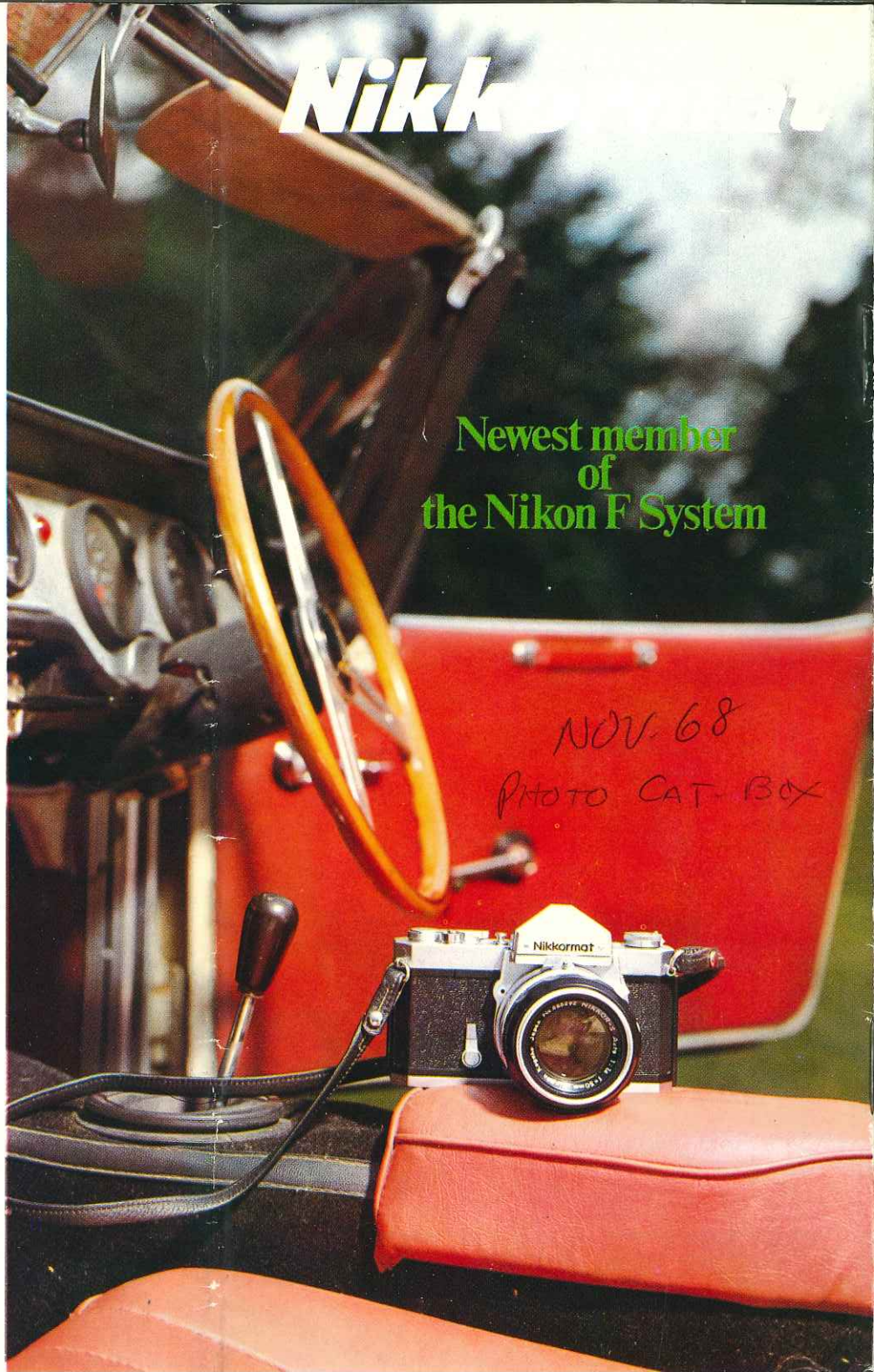

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